

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

GENERAL PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

MO-G760000

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

All Outfalls

Infrequent and low volume discharges of filter backwash and pool drainage from swimming pools and lined ponds.

This permit authorizes only wastewater, including storm waters, discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

April 9, 2004
Effective Date


Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

April 8, 2009
Expiration Date
MO 780-1481 (7-94)

Jim Hull, Director of Staff, Clean Water Commission

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 5	
					PERMIT NUMBER MO-G760000	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Filter Backwash</u> (Note 1)						
Volume - Note 2	Gallons	*		*	once/month	Estimate
Total Residual Chlorine	mg/L	1.0		1.0	once/month	Grab
Settleable Solids	mL/L	1.5		1.0	once/month	Grab
pH	SU	***		***	once/month	Grab
<u>Pool Drainage</u>						
Volume - Note 2	Gallons	*		*	once/year	Estimate
Total Residual Chlorine	mg/L	1.0		1.0	once/year	Grab
Settleable Solids	mL/L	1.5		1.0	once/year	Grab
Dissolved Oxygen - Minimum (Note 3)	mg/L	5.0		5.0	once/year	Grab
pH	SU	***		***	once/year	Grab
MONITORING REPORTS SHALL BE SUBMITTED <u>ANNUALLY</u> ; THE FIRST REPORT IS DUE _____. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** pH is limited to the range of 6.0-9.0 pH units.

Note 1 - If more than one discharge of filter backwash water occurs in a month, testing is required for only one discharge event. If no discharge occurs in a given month, report as "no-discharge" for that month.

Note 2 - Estimate the volume as the total gallons of water that is released. The release rate shall be controlled to avoid high volumes of water being discharged into small streams that can cause stream channel erosion or can cause downstream flooding or property damage.

Note 3 - Dissolved Oxygen shall be sampled only if dechlorinating chemicals were used to lower the residual chlorine in the pool. De-chlorination can lead to a lowering of the dissolved oxygen concentration in the water that is discharged. Dissolved Oxygen must be maintained at or above 5.0 mg/L to protect aquatic life in the receiving stream. If necessary, use aeration to increase the Dissolved Oxygen in the discharge.

APPLICABILITY

1. This permit authorizes the discharge of filter backwash water and water drained from swimming pools and lined decorative ponds and fountains, herein after referred to as a "pool or pond," to waters of the State of Missouri. Discharges from pools and/or ponds at single-family residences are exempted from permit requirements.
2. Unlined natural or artificial lakes, farm ponds, siltation basins at construction sites, and storm water detention basins are not covered under this general permit.
3. Discharges to sanitary or combined sewer systems that normally receive treatment are exempt.
4. If the Department of Natural Resources determines that the quality of waters of the state may be better protected by requiring the owner of a pool or pond to apply for a site-specific State Operating Permit, the Department may do so.
5. If at any time the owner of a pool or pond desires to apply for a site-specific State Operating Permit, the owner may do so.
6. This permit does not apply to the discharge of any water other than filter backwash water and water drained from a pool or pond.

REQUIREMENTS

1. The Total Residual Chlorine (TRC) concentration in the discharge is the principal parameter of concern. In order to allow chlorine to dissipate, chlorination must cease at least seven days prior to discharge. As an alternative, chemical dechlorination may be used to remove chlorine if desired (also see Note 3).
2. Filter backwash shall be directed to grassed areas or other buffers to the extent possible to prevent a direct discharge to state waters. Effluent limitations are applicable where the discharge leaves the property boundary. If retention structures are needed to meet the effluent limitations, the appropriate Departmental Regional Office shall be contacted to determine if a construction permit is required.
3. This permit should not be considered to be protective against claims of nuisance or water damage on adjacent properties.
4. In the event that the discharge is known to cause a fish kill, the permittee shall immediately contact the Department's Emergency Response Team at (573) 634-2436 and the discharge shall be ceased.
5. An annual report is required by the terms of this permit. The annual report should include the following information:
 - (a) Source of the water for the pond or pool.
 - (b) Discharge monitoring parameters as listed in Section A, "Effluent Limitations and Monitoring Requirements."
 - (c) A list of all chemicals other than chlorine compounds that are added to the pond or pool for algae control or other purposes and the estimated quantities of such chemicals.
 - (d) Dates of operation of the pond or pool.
6. Report as no-discharge when a discharge does not occur during the report period.

REQUIREMENTS (continued)

7. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
- (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
8. This permit may be reopened and modified, or alternatively revoked and reissued, to:
- (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.
- The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

TERMINATION OF PERMIT

If activities covered by this permit have ceased and this permit no longer applies, the permittee shall request termination of this permit. The permittee shall submit Form H, Termination of a General Permit.

RENEWAL OF PERMIT

The permittee will receive notification of the expiration date of the permit 180 days before the expiration date listed on page 1 of this permit. In order for the permit to be re-issued, the permittee should submit appropriate application form(s) at least 90 days before the expiration of the permit.

TRANSFER OF PERMIT

This permit may be transferred to a new owner by submitting an "Application for Transfer of Operating Permit" signed by the seller and buyer of the facility, along with the appropriate modification fee.

DUTY OF COMPLIANCE

The permittee shall comply with all conditions of this general permit. Any noncompliance with this general permit constitutes a violation of Chapter 644, Missouri Clean Water Law, and 10 CSR 20-6.200. Noncompliance may result in enforcement action, termination of this authorization, or denial of the permittee's request for renewal.

FACT SHEET
General Permit
Swimming Pool Filter Backwash and Pool Drainage
MO-G760000

The Federal Water Pollution Control Act ("Clean Water Act" Section 402 Public Law 92-500 as amended) established the National Pollutant Discharge Elimination System (NPDES) permit program. This program regulates the discharge of pollutants from point sources into the waters of the United States, and the release of storm water from certain point sources. All such discharges are unlawful without a permit (Section 301 of the "Clean Water Act"). After a permit is obtained, a discharge not in compliance with all permit terms and conditions is unlawful. Permits in Missouri are issued by the Director of the Department of Natural Resources under an approved program, operating in accordance with federal and state laws (Federal "Clean Water Act" and "Missouri Clean Water Law" Section 644 as amended).

State programs have the authority to issue general permits to sources of discharge if the Director feels that the discharge is appropriately controlled by a general permit. Because the discharges authorized by this permit covers facilities which: involve the same or substantially similar types of operations; discharge the same types of wastes; require the same operating conditions; or require the same monitoring; the Department has determined that under the requirements for General Permits, the discharges authorized by this permit are eligible for a general permit.

The proposed general permit is for discharges of filter backwash water and water drained from swimming pools and lined decorative ponds and fountains located within the state of Missouri. This proposed permit will allow discharge into waters of the state. The treatment systems will vary from site to site dependent upon waste characteristics, concentration and receiving stream standards.

This permit does not apply to establishments that are required to apply for a permit by 10 CSR 20-6.200, the Storm Water Regulation; an industry specific permit would be required.

Holders of current individual State Operating permits who desire to apply for inclusion under this general permit should contact the department for application requirements.

10 CSR 20-7.031 Missouri Water Quality Standards, Missouri Department of Natural Resources (the Department) "defines the Clean Water Commission water quality objectives in terms of water uses to be maintained and the criteria to protect those uses." The receiving stream's beneficial water uses to be maintained have been assumed to be: livestock watering, wildlife watering and protection of aquatic life.

To protect these beneficial uses and the water quality of the receiving stream, effluent limitations are being established under federal and state laws.

This permit will expire five (5) years from the date of issuance